

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04485

SHEET 1 OF 1

DWG NO. 647.1300

REV: C

PREPARED BY

J. SOTO

DATE: 04/04/2014

EFFECT ON DWG

☐ INC. ☒ UNINC.

DWG TITLE: EC 145 CABLE CUTTERS KIT

APPROVED BY:

ENGR

MFG

QC

EFF.

NEXT ORDER

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

REASON: REVISED F/N 62.

ECR:

D-14-02

Superseded

62	R	601.3008	2	2	2	2	INSERT		NAS1834C3-300		
F/N	TC	PART NUMBER	.1306	.1304	.1303	.1301	DESCRIPTION		MATERIAL		SPECIFICATION
			QTY								
DOCUMENTS EFFECTED:							CHANGE CATEGORY		DER REVIEW REQUIRED		
<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUCTIONS <input type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM							<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

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NOTES: UNLESS OTHERWISE SPECIFIED

- 1 AFTER INSTALLATION, APPLY F/N 73 A/R TO FILL GAPS AND FILLET EDGES
2. APPLY F/N 74 TO FAYING SURFACES
- 3 AT CUSTOMERS OPTION, INSTALL F/N 77 BY MATCH DRILLING ONTO F/N 1
- 4 INSTALL FOR 647.1301, 647.1302.
- 5 INSTALL FOR 647.1304, 647.1305.
- 6 APPLICABLE WHEN EUROCOPTER P/N 145-250014.11 IS INSTALLED WITH EUROCOPTER CABLE CUTTER FIXED PROVISIONS.
- 7 APPLICABLE WHEN REPLACING EUROCOPTER P/N 145-250074.11

UNINCORPORATED ECN(S)

04485

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR3		N/C
N/C	INITIAL RELEASE	08/05/09	P. BRAVO
A	INCORPORATED ECN 02963, 03020, 03048	01/25/11	P. BRAVO
B	INCORPORATED ECN 03919	07/05/13	P. BRAVO
C	INCORPORATED ECN 04059	08/13/13	P. BRAVO

13		13	13		13	26	647.1812	SHIM		
4		4	4		4	25	647.1910	CLIP		
1		1	1		1	24	647.1810	NOSE DOOR DOUBLER		
1		1	1		1	23	647.1818	NOSE DOOR SPACER		
2		2	2		2	22	647.1813	ANGLE		
1		1	1		1	21	647.1913	TEE		
1		1	1		1	20	647.1814	GUSSET, LH		
1		1	1		1	19	647.1815	GUSSET, RH		
1		1	1		1	18	647.1915	SUPPORT ANGLE		
1	2	2		2	2	17	647.2011	LOWER STRUT		
1		1	1		1	16	647.1914	BRACKET		
1		1	1		1	15	647.1816	SUPPORT, LH		
1		1	1		1	14	647.1817	SUPPORT, RH		
1		1	1		1	13	647.1912	BRACKET, LH		
1		1	1		1	12	647.1911	BRACKET, RH		
4		4	4	4	8	11	647.0112	STRUT BRACKET		
				1	1	10	647.2110	LOWER RAIL		
			1		1	9	647.2111	UPPER RAIL		
1		1	1		1	8	647.1610	WIPER DEFLECTOR, FWD		
1		1	1		1	7	647.1601	WIPER DEFLECTOR ASSY, AFT		
				2	2	6	647.1701	SKID DEFLECTOR ASSY		
1		1	1		1	5	647.3201	GROUNDING CABLE ASSY		
1		1	1		1	4	647.2201	CROSS ASSY		
1		1	1		1	3	647.1602	DOUBLER ASSY		
	1	1		1	1	2	647.1402	CUTTER ASSY (LOWER)		
				1	1	1	647.1401	CUTTER ASSY (UPPER)		
							647.1306	FIXED PROVISIONS KIT U CHANNEL		
							647.1305	REMOVABLE PROVISIONS KIT U CHANNEL		6
							647.1304	EC145 CABLE CUTTERS KIT U CHANNEL COMPATIBLE		6
							647.1303	FIXED PROVISIONS KIT		
							647.1302	REMOVABLE PROVISIONS KIT		
							647.1301	EC145 CABLE CUTTERS KIT		
.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

BOM Table(Restructured)

QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 07/06/09	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 EC145 CABLE CUTTERS KIT		
		DRAWN BY R. ROSANO			
		CHECKER D. BARKER			
		DRAWING APPROVAL P. BRAVO 08/05/09			
		CONTRACT No.			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°	SRE B	CAGE CODE 07MZ6	DWG. NO. 647.1300
			REV. C	SCALE NONE	SHEET 1 OF 9

A

B

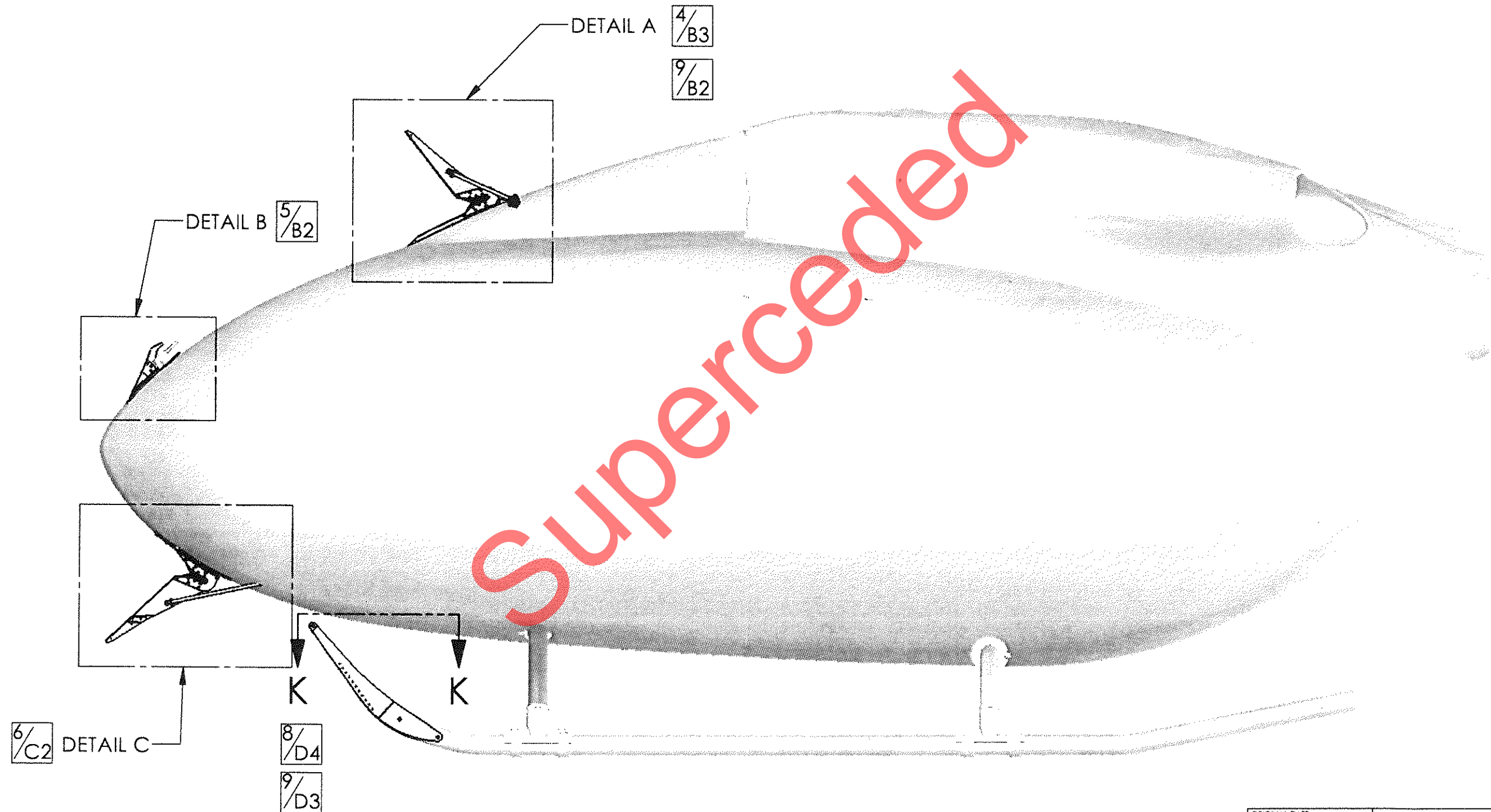
d

01

22		22	22		22	58	601.0790	RIVET	CR3213-4-3	
8		8	8		8	57	601.2995	RIVET	CR3213-6-6	
4		4	4		32	56	601.1915	RIVET	CR3213-4-4	
12		12	12		12	55	601.2207	NUTPLATE RIVET	CCR264SS-3-03	
4		4	4		4	54	601.1983	NUTPLATE RIVET	CCR274SS-3-03	
12		12	12		12	53	601.2980	NUTPLATE RIVET	CCR264SS-3-04	
12		12	12		12	52	600.0795	NUTPLATE	MS21047-3	
	4	4		4	4	51	601.3209	LOCKNUT	MS21042L4	
5	4	9	5	4	9	50	601.2973	LOCKNUT	MS21042-08	
29	17	46	29	16	45	49	601.2943	LOCKNUT	MS21042-3	
3		3	3		3	48	601.2375	WASHER		
10	8	18	10	8	18	47	601.2764	WASHER	NAS1149FN832P	
	70	32	70	32	102	46	601.1607	WASHER	NAS1149F0332P	
1		1	1		1	45	601.2525	SCREW	MS27039-0807	
4		4	4		4	44	601.1952	SCREW	MS27039-1-20	
	4	4		4	4	43	601.3010	SCREW	MS27039-0810	
4		4	4		4	42	601.3224	SCREW	AN525-10R12	
6		6	6		6	41	601.1365	SCREW	MS27039-1-10	
3		3	3		3	40	601.2198	SCREW	MS27039-1-07	
3		3	3		3	39	601.2999	SCREW		
18		18	18		18	38	601.2459	SCREW	MS27039C1-06	
4		4	4		4	37	601.1622	SCREW	MS27039-1-14	
10		10	10		10	36	601.2051	SCREW	MS24694C52	
2		2	2		2	35	601.2823	BOLT	AN3-4A	
1		1	1		1	34	601.1324	BOLT	AN4CH6A	
	2	2		2	2	33	601.1874	BOLT	AN3C10A	
	12	12		16	16	32	601.2826	BOLT	AN3-11A	
8		8	8		8	31	601.2638	WASHER	NAS1149F0432P	
4		4	4		4	30	601.3002	BOLT	NAS6604-66	
2		2	2		2	29	647.1811	SPACER		
4		4	4		4	28	647.2511	NUT		
4		4	4		4	27	647.2510	SLEEVE		
.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

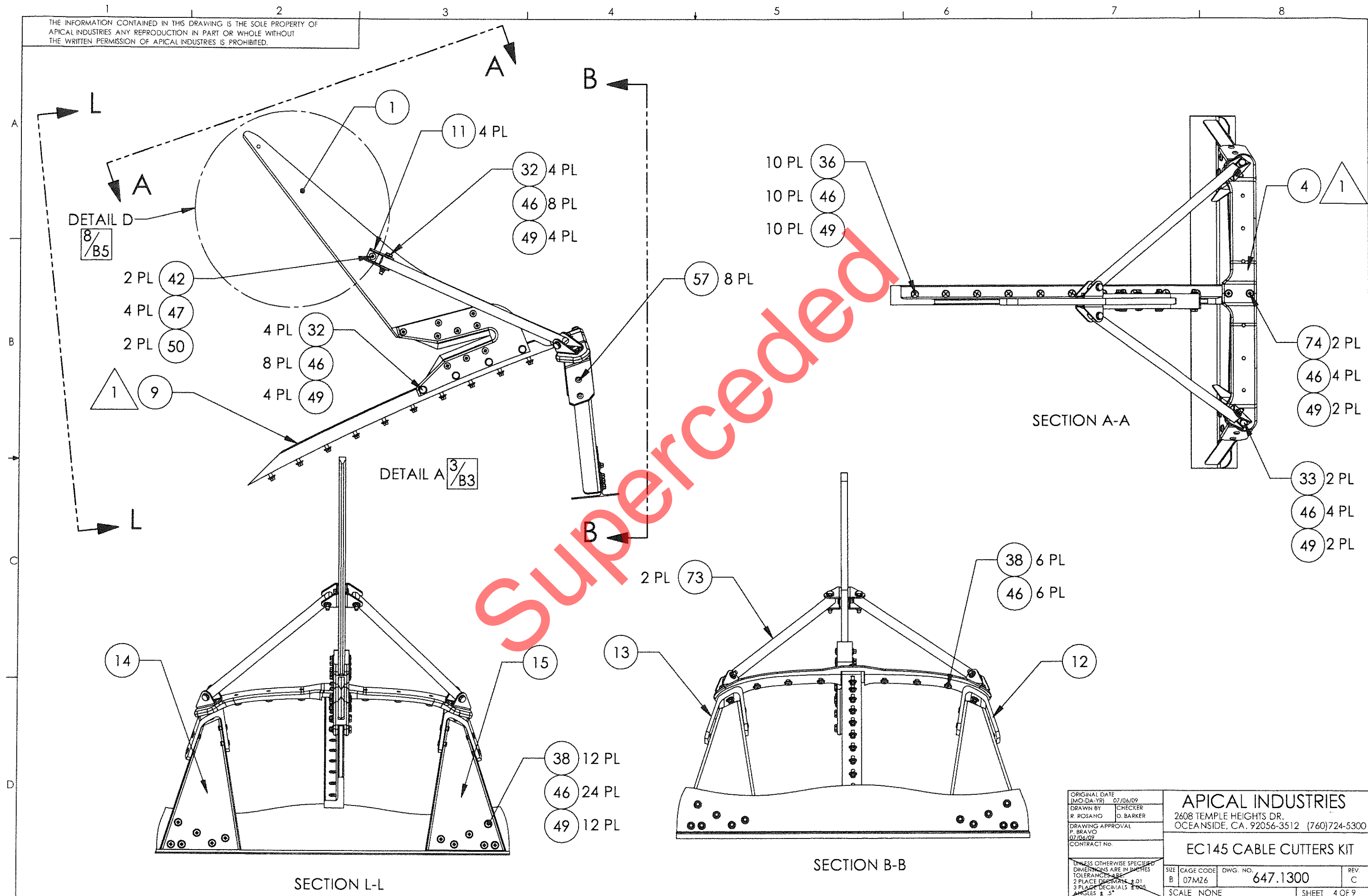
BOM Table{Restructured}					
<div>ORIGINAL DATE (MO-DA-YR) 02-01-06</div> <div>DRAWN BY R. ROSANO</div> <div>CHECKER D. BARKER</div> <div>DRAWING APPROVAL P. BRAVO 08/05/09</div> <div>CONTRACT No.</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ± .5°</div>		<div>APICAL INDUSTRIES</div> <div>2608 TEMPLE HEIGHTS DR.</div> <div>OCEANSIDE, CA. 92056-3512 (760)724-5300</div>			
		<div>EC145 CABLE CUTTERS KIT</div>			
		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1300	REV. C
		SCALE NONE			SHEET 2 OF 9

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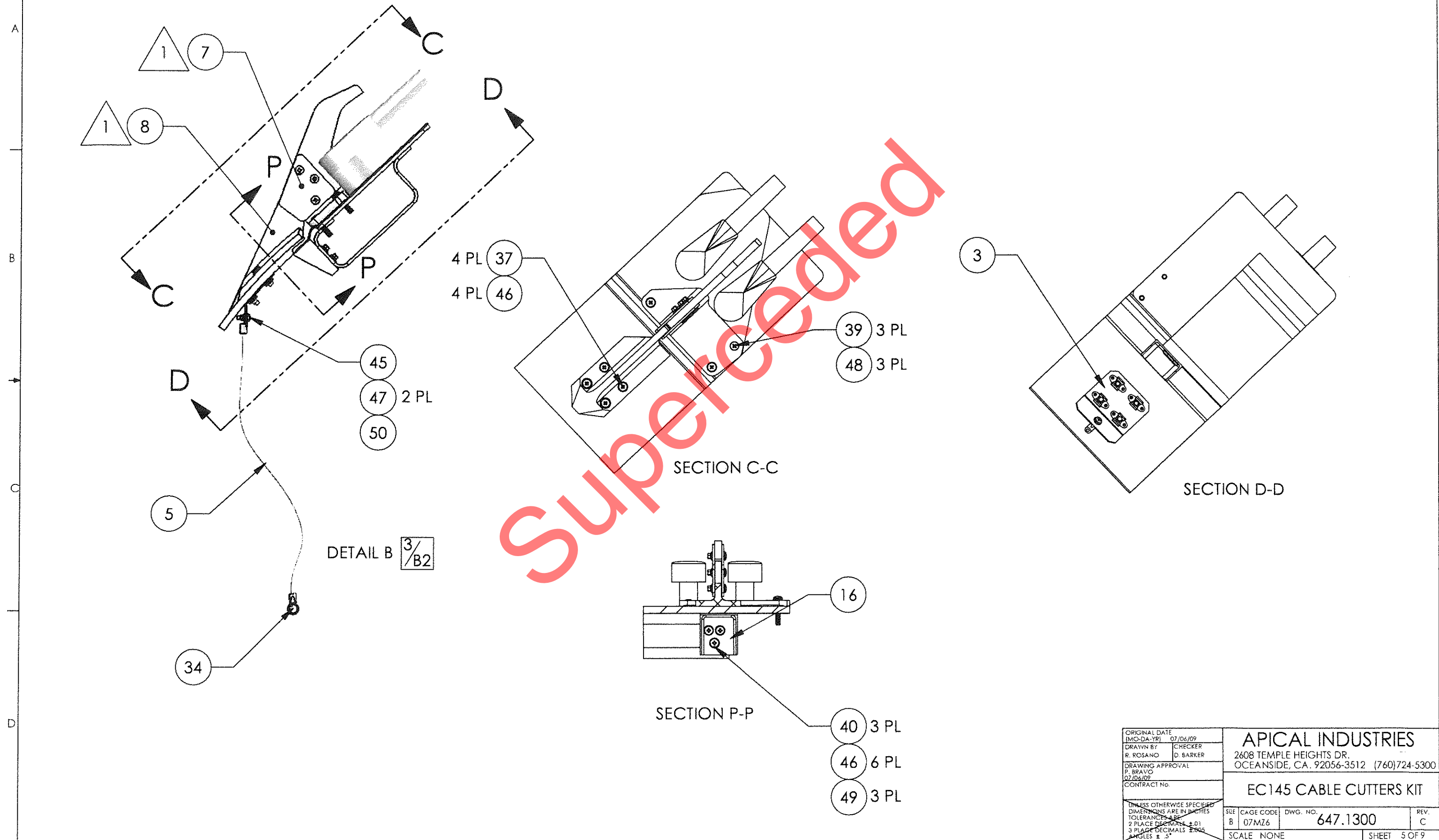
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DRAWN BY R. ROSANO	CHECKER D. BARKER				
DRAWING APPROVAL P. BRAVO 07/06/09					
CONTRACT No.		EC145 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°					
SCALE NONE		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1300	REV. C
		SHEET 3 OF 9			

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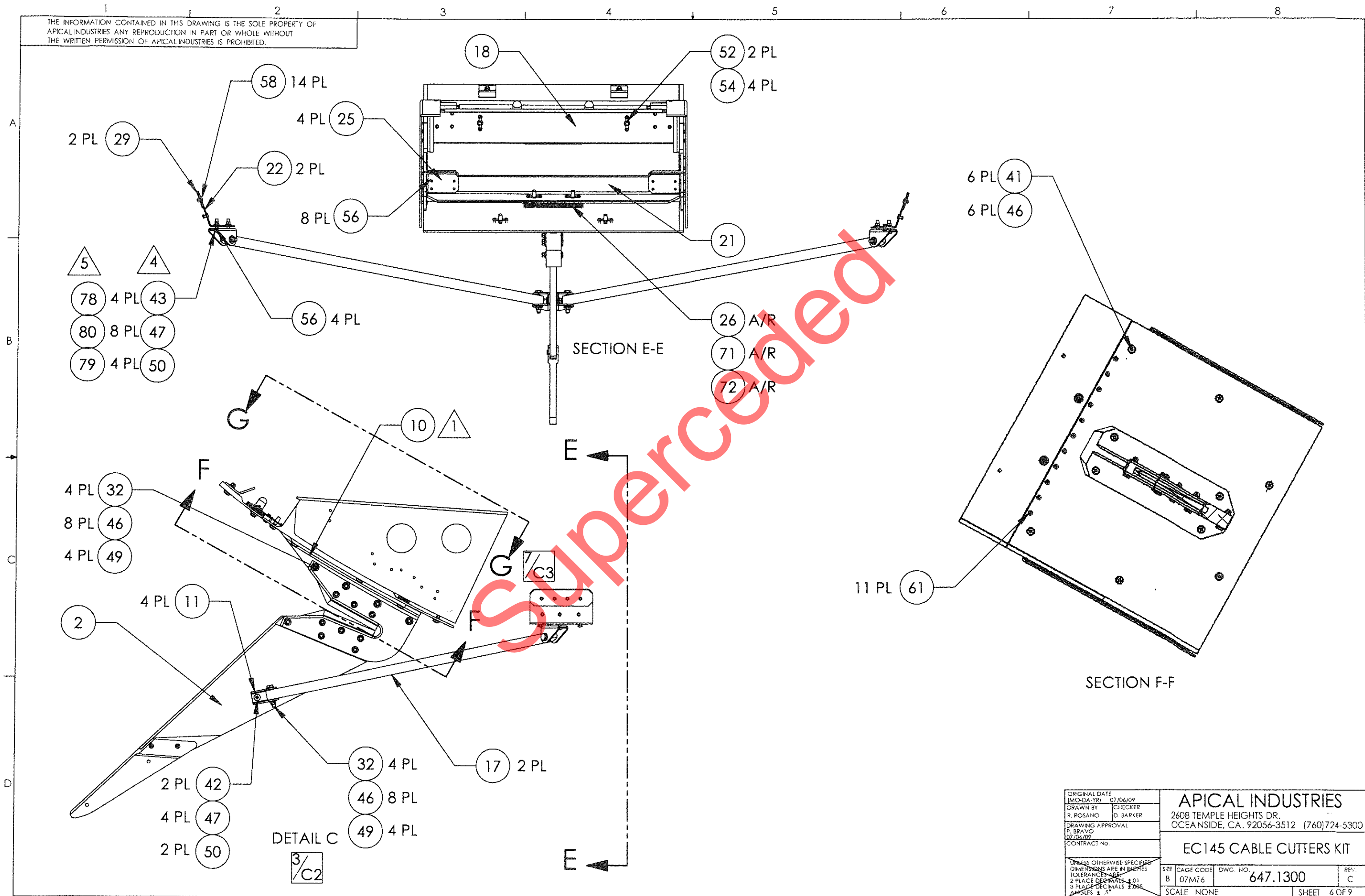
ORIGINAL DATE (MO-DA-YR) 07/06/09		APICAL INDUSTRIES	
DRAWN BY R. ROSANO	CHECKER D. BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 07/06/09		EC145 CABLE CUTTERS KIT	
CONTRACT NO.		SIZE B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07M26	DWG. NO. 647.1300
		SCALE NONE	SHEET 4 OF 9

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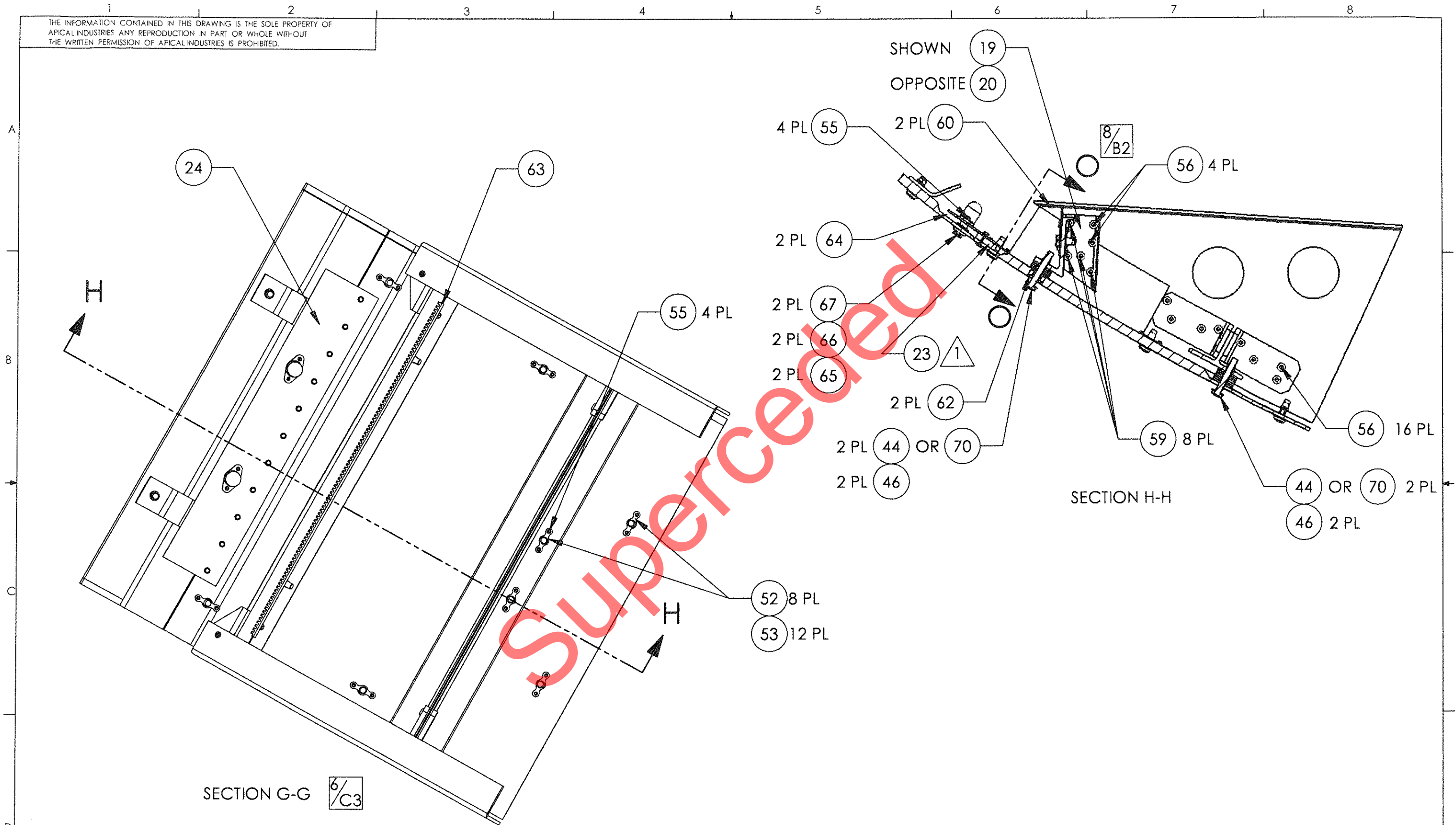
ORIGINAL DATE (MO-DA-YR) 07/06/09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY R. ROSANO	CHECKER D. BARKER				
DRAWING APPROVAL P. BRAVO 07/06/09		EC145 CABLE CUTTERS KIT			
CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1300	REV. C
		SCALE NONE		SHEET 5 OF 9	

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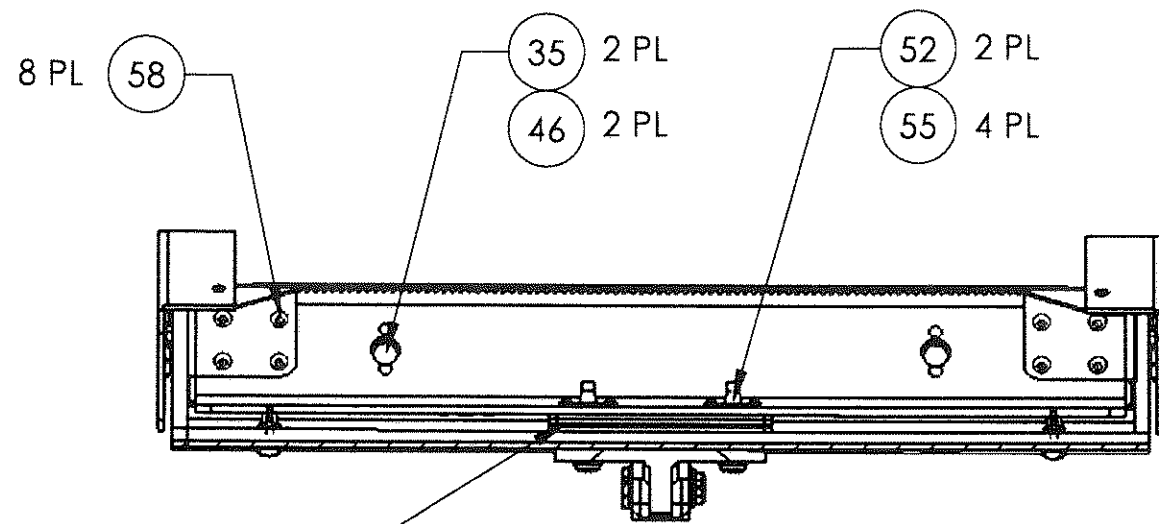
ORIGINAL DATE [MO-DA-YR] 07/06/09		APICAL INDUSTRIES	
DRAWN BY R. ROSANO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER D. BARKER		EC145 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO		SIZE CAGE CODE DWG. NO. 647.1300	
CONTRACT No.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET 6 OF 9	

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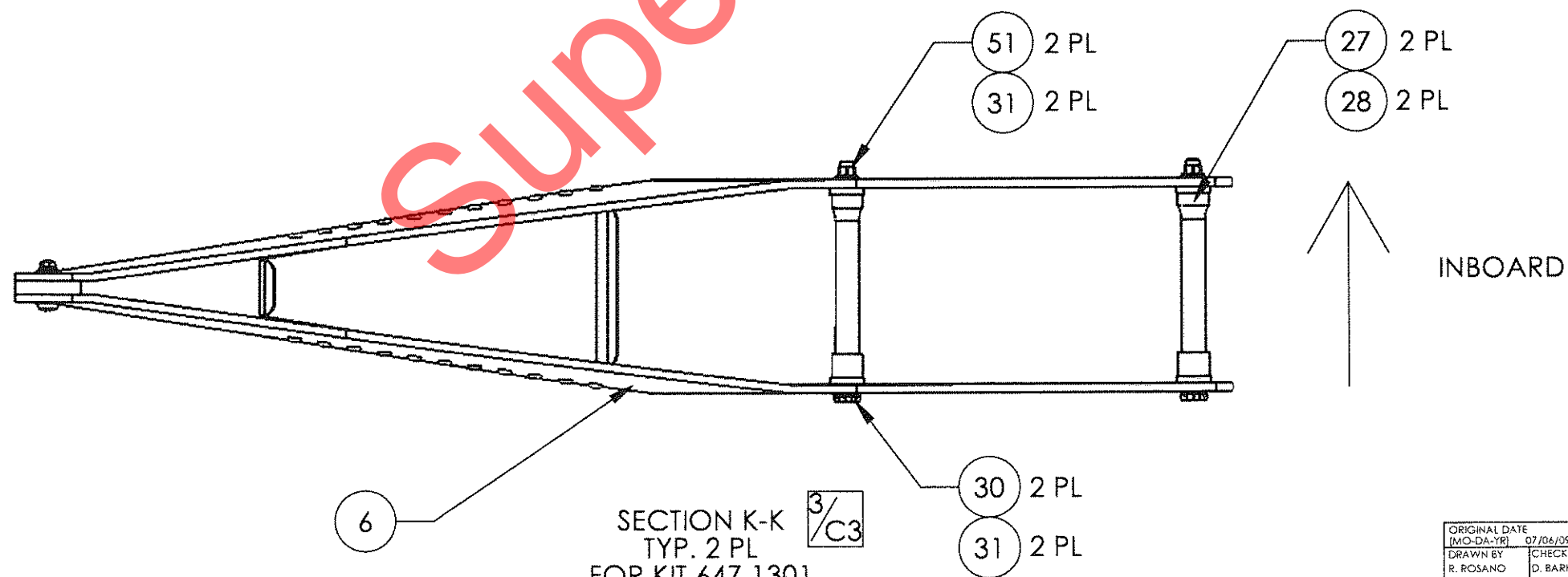
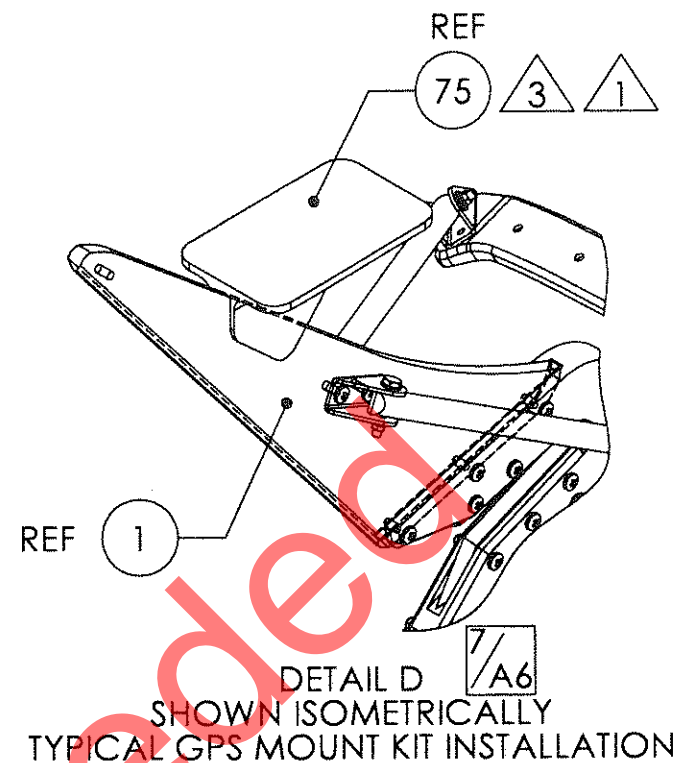
ORIGINAL DATE (MO-DA-YR) 07/06/09		APICAL INDUSTRIES	
DRAWN BY R. ROSANO	CHECKER D. BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 07/06/09		EC145 CABLE CUTTERS KIT	
CONTRACT NO.		SIZE B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		DWG. NO. 647.1300	SCALE NONE
		SHEET 7 OF 9	

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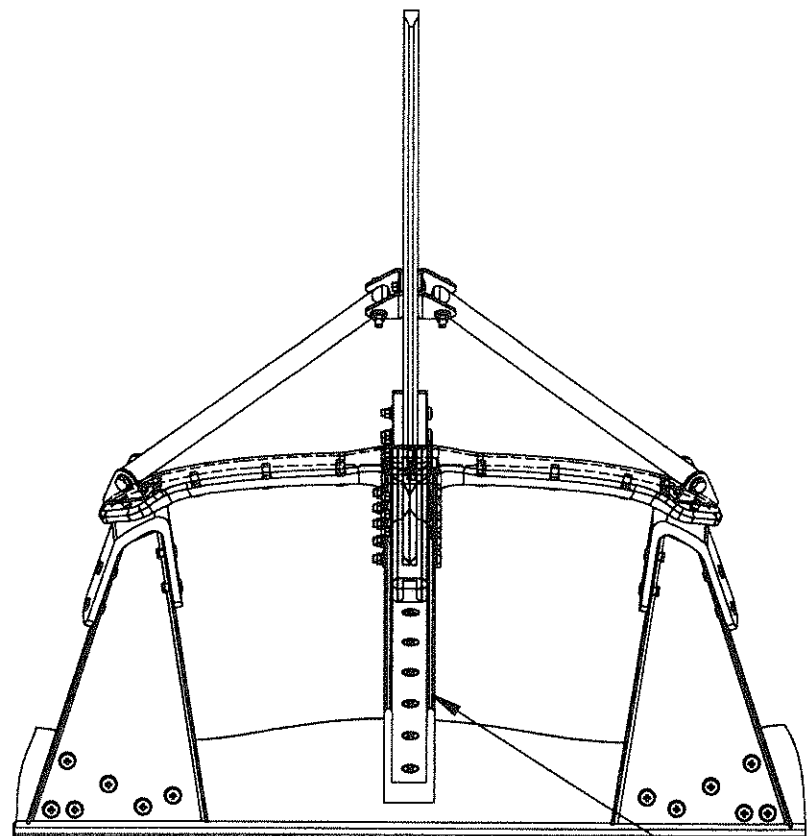
A/R (26)
A/R (71)
A/R (72)

SECTION O-O $\frac{7}{A6}$



ORIGINAL DATE (MO-DA-YR) 07/06/09		APICAL INDUSTRIES			
DRAWN BY R. ROSANO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
CHECKER D. BARKER					
DRAWING APPROVAL P. BRAVO 07/06/09		EC145 CABLE CUTTERS KIT			
CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07MZ6	647.1300	C
		SCALE NONE			

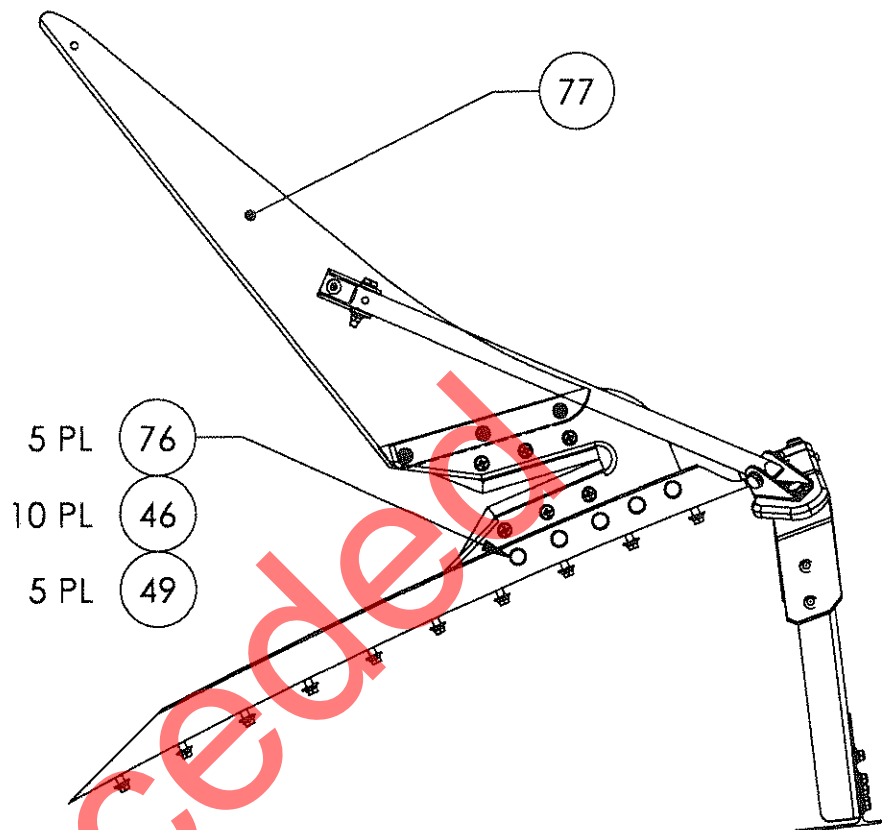
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DETAIL A
WITH U CHANNEL

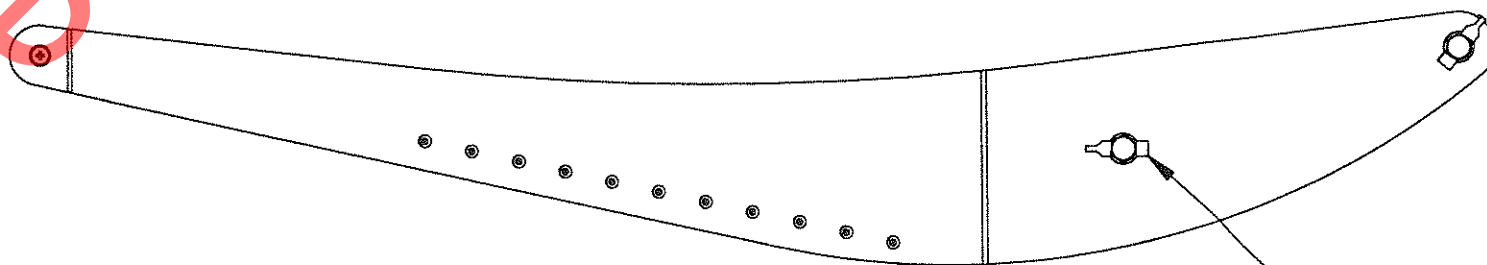
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3/B3



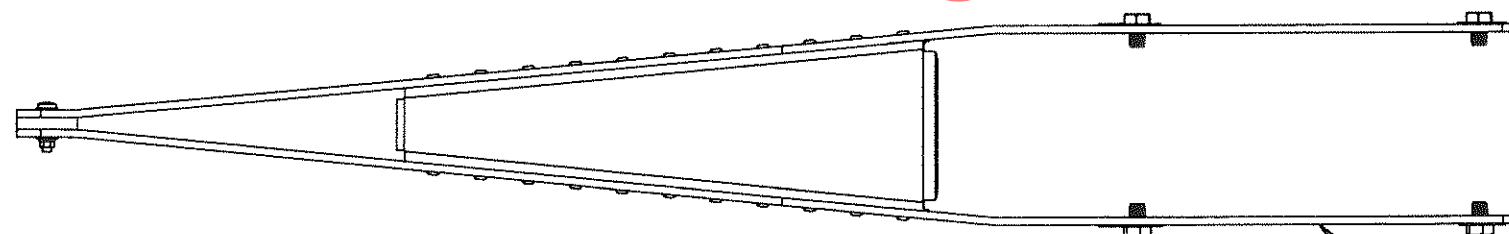
5 PL 76
10 PL 46
5 PL 49

77



83

4 PL



4 PL 82

647.1702
DETAIL K
ALTERNATE CONFIGURATION

3/D3

7

ORIGINAL DATE (MO-DA-YR) 07/06/09		APICAL INDUSTRIES	
DRAWN BY R. ROSANO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
CHECKER D. BARKER		EC145 CABLE CUTTERS KIT	
DRAWING APPROVAL P. BRAVO 07/06/09		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	
CONTRACT NO.		SIZE B	REV. C
		CAGE CODE 07M26	DWG. NO. 647.1300
		SCALE NONE	SHEET 9 OF 9